

Converting Colors

Yxy(64.0601, 0.4573, 0.4660)

Have a look what the booklet for
Yxy(64.0601, 0.4573, 0.4660)
contains.

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Color

Yxy(64.0874, 0.4572, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB22
RGB	255, 203, 34
RGB Percent	100%, 80%, 13%
CMY	0.0001, 0.2039, 0.8670
CMYK	0.00, 0.20, 0.87, 0.00
HSL	46°, 100%, 57%
HSV	46°, 87%, 100%
XYZ	62.8772, 64.0874, 10.5620
YIQ	199.2820, 85.2410, -41.5350

Conversions

Conversions Part 2

Format	Color
RYB	102, 255, 34
Decimal	16763682
CIELab	84.01, 4.58, 80.54
CIElCh	84, 80.668, 86.742
Yxy	64.0874, 0.4572, 0.4660
Android (android.graphics.Color)	4294953762 (0xFFFFCB22)
YUV	199.2820, -81.4840, 48.8647
Hunter-Lab	80.0546, 0.1034, 48.2158

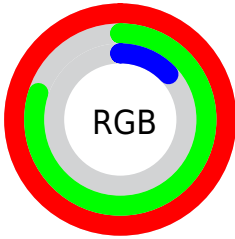
Details

The Yxy color **64.0874, 0.4572, 0.4660** is a light color, and the websafe version is hex **FFCC33**.

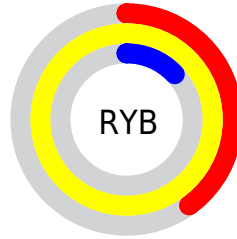
The color can be described as light washed yellow. A complement of this color would be **14.1917, 0.1663, 0.1072**, and the grayscale version is **57.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **32.8323, 0.4665, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **61.2176, 0.4665, 0.4663**, and if you desaturate by 10%, it is **67.1815, 0.4448, 0.4609**.

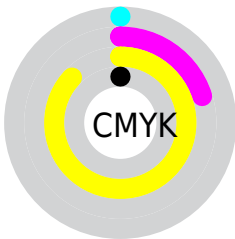
Distribution



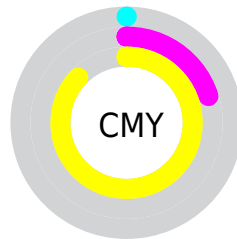
- Red (100%)
- Green (80%)
- Blue (13%)



- Red (40%)
- Yellow (100%)
- Blue (13%)



- Cyan (0%)
- Magenta (20%)
- Yellow (87%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0874, 0.4572, 0.4660 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 64.0874, 0.4572, 0.4660 by changing the saturation by 10% instead.


 64.0874, 0.4572,
0.4660


 64.0874, 0.4572,
0.4660


439.5052, 0.3972,
0.4109

 46.7215, 0.4676,
0.4749

 110.7368, 0.4388,
0.4496


 32.8155, 0.4783,
0.4837


 140.7890, 0.4309,
0.4424


 21.9852, 0.4888,
0.4915


 175.8389, 0.4238,
0.4358

 13.8460, 0.5005,
0.4995

 216.2706, 0.4173,
0.4299

 8.0136, 0.5031,
0.4969

 262.4688, 0.4115,
0.4244

 4.1037, 0.5070,
0.4930

 314.8176, 0.4063,

 1.7317, 0.5134,

0.4195

0.4866

373.7016, 0.4015,
0.4150

0.4441, 0.5460,
0.4540

0.0000, 0.0000,
0.0000

64.0874, 0.4572,
0.4660

64.0874, 0.4572,
0.4660

61.2176, 0.4665,
0.4663


67.1815, 0.4448,
0.4609


60.3068, 0.4692,
0.4657


70.5123, 0.4297,
0.4511


74.1008, 0.4125,
0.4372

77.9623, 0.3942,
0.4202

 82.1102, 0.3754,
0.4012

 86.5570, 0.3570,
0.3813

 91.3139, 0.3395,
0.3613

 96.3916, 0.3230,
0.3417

99.9954, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.0874, 0.5056, 0.3969



64.0874, 0.4572, 0.4660



64.0874, 0.3753, 0.5142

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.0874, 0.4572, 0.4660



64.0874, 0.1578, 0.2873



64.0874, 0.3175, 0.2160

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.0874, 0.4572, 0.4660



14.1917, 0.1663, 0.1072

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.0874, 0.2279, 0.1882



64.0874, 0.4572, 0.4660



64.0874, 0.1487, 0.2165

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0874, 0.4572, 0.4660



64.0874, 0.2032, 0.3976



64.0874, 0.1718, 0.1866



64.0874, 0.4218, 0.2655

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.0874, 0.4572, 0.4660



64.0874, 0.3134, 0.5118



64.0874, 0.1718, 0.1866



64.0874, 0.2845, 0.2040

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.0905, 0.4572, 0.4660



86.8986, 0.3558, 0.3799



23.1186, 0.5564, 0.2949



18.2611, 0.3621, 0.3869



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0905, 0.4572, 0.4660



60.3197, 0.4692, 0.4657



83.8589, 0.3779, 0.5301



20.3243, 0.3275, 0.3471



31.7590, 0.4682, 0.4665



3.2588, 0.4614, 0.4718

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.1917, 0.1663, 0.1072



10.4448, 0.1564, 0.0831



10.4900, 0.1768, 0.0815



18.0706, 0.2979, 0.3103



5.6456, 0.1571, 0.0856



0.7085, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 64.0874, 0.4572, 0.4660 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 64.0874, 0.4572, 0.4660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0874, 0.4572, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 64.0874, 0.4572, 0.4660.



This preview shows how white text looks on a background with the Yxy color 64.0874, 0.4572, 0.4660.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.0874, 0.4572, 0.4660

Protanopia

64.0534, 0.4358, 0.4816

Deuteranopia

64.0328, 0.4288, 0.4249



Tritanopia

63.8077, 0.3541, 0.3167

Trichromacy



Original Color

64.0874, 0.4572, 0.4660

Protanomaly

63.8017, 0.4441, 0.4756

Deuteranomaly

64.0656, 0.4421, 0.4442

Tritanomaly

63.1757, 0.4034, 0.3851

Monochromacy



Original Color

64.0874, 0.4572, 0.4660

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.2327, 0.3746, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0874, 0.4572, 0.4660 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 203, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 34)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 203, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 34) }
```

Border

The CSS property to change the border of an element to Yxy 64.0874, 0.4572, 0.4660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 203, 34) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 203, 34) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 203, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0874, 0.4572, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 34) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
203, 34) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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